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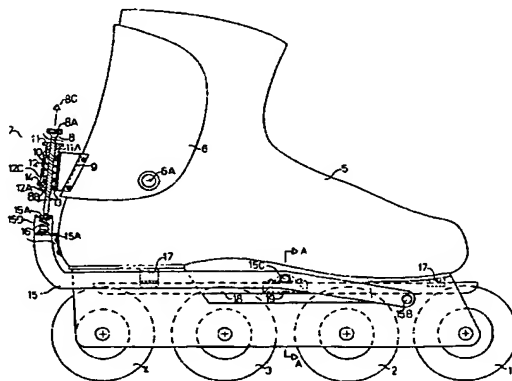
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- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: FOUR WHEEL MECHANICAL BRAKE SYSTEM FOR INLINE SKATES



(57) Abstract: A mechanical brake system for inline skates that utilizes all four wheels for braking. The brake is applied by the skater straightening the leg, or both legs if there are brakes on both skates, to a predetermined adjustable position. This causes the adjustable and spring loaded trigger rod, mounted on the pivoting ankle support behind the heel to push the brake lever that extends from behind the heel on both sides of the frame to the front where it is hingedly attached to move downwards. At the mid-point of the skate the brake rail positioned above the wheels and extending the whole length of the skate is connected to the brake lever. The downward movement of the brake lever and brake rail causes the brake rail to contact the wheels causing friction and thereby braking in direct proportion to the force by which the skater is straightening the leg(s). The brake rail is inflexible and shaped to fit the curvature of the wheels thereby facilitating even wheel wear both regarding shape and diameter. Two brackets mounted on the underside of the skate and passing through slots in the brake rail ensure centering of the brake rail. The spring loading of the trigger rod ensures smooth and controllable braking. The spring tension of the spring loaded trigger rod is adjustable so that skaters with different body weight can have optimum braking power without wheel lock-up.

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INTERNATIONAL SEARCH REPORT

International application No

PCT/CA 03/01030

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A63C17/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A63C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 197 30 115 A (NARDONE) 22 July 1999 (1999-07-22) figures 2,3	1-5
A	US 2001/054803 A1 (HALDEMAN) 27 December 2001 (2001-12-27) page 1	1-5

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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INTERNATIONAL SEARCH REPORT

information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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US 2001054803 A1	27-12-2001	CA 2364656 A1	31-08-2000
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